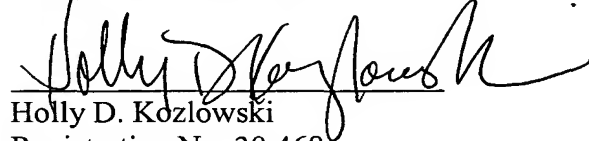


REMARKS

The present application is a divisional of application Serial No. 09/863,546 filed May 23, 2001. By the present Amendment, the specification is amended to include related application information and claims 1-76 prosecuted in the parent application are cancelled. The remaining claims are amended to omit their multiple dependency and for various matters of form in accordance with customary U.S. patent practice. A Version With Markings Showing Changes Made is attached. It is believed that these changes do not involve any introduction of new matter, whereby entry is believed to be in order and is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Holly D. Kozlowski", is written over a horizontal line.

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VERSION WITH MARKINGS SHOWING CHANGES MADE

Claims 85, 86, 88-90, 93-97 and 99-104 were amended as follows:

85. (Amended) An ophthalmic lens according to claim 83, wherein [or 84, characterized in that] the at least one wavefront aberration term provided to the passing wavefront by the lens is a spherical aberration term, such that a wavefront arriving from the cornea of the patient's eye obtains a reduction in said spherical aberration term provided by the cornea after passing said lens.

86. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-85, characterized in that] the at least one wavefront aberration term provided to the passing wavefront by the lens is at least one term of a Zernike polynomial representing the wavefront aberration of the cornea.

88. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-87, characterized in that] said selected group of people is a group of people belonging to a specific age interval.

89. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-88, characterized in that] the lens is adapted to be used by a patient that has undergone corneal surgery and wherein [in that] said selected group of people is a group of people who have undergone corneal surgery.

90. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-88, characterized in that] said selected group of people is a group of people who will undergo a cataract surgical operation.

93. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-92, characterized in that] the lens is provided with a, for the patient, suitable refractive power less than or equal to 30 diopters.

94. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-93, characterized in that] one of the at least one nonspheric surface of the lens is the anterior surface.

95. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-94, characterized in that] one of the at least one nonspheric surface of the lens is the posterior surface.

96. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-95, characterized in that] the lens is made from a soft biocompatible material.

97. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-96, characterized in that] the lens is made of a silicone material.

99. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-98, characterized in that] the lens is made of hydrogel.

100. (Amended) An ophthalmic lens according to claim 83, wherein [any one of the claims 83-95, characterized in that] the lens is made of a rigid biocompatible material.

101. (Amended) An ophthalmic lens according to claim 83, wherein the lens is adapted [any one of the claims 83-100, characterized in that it is designed] to balance the spherical aberration of a cornea that has a Zernike polynomial coefficient representing spherical aberration of the wavefront aberration with a value in the interval from 0.000156 mm to 0.001948 mm for a 3 mm aperture radius using polynomials expressed in OSLO format.

102. (Amended) An ophthalmic lens according to claim 83, wherein the lens is adapted [any one of the claims 83-100, characterized in that it is designed] to balance the spherical aberration of a cornea that has a Zernike polynomial coefficient representing spherical aberration of the wavefront aberration with a value in the interval from 0.000036 to 0.000448 mm for a 2 mm aperture radius using polynomials expressed in OSLO format.

103. (Amended) An ophthalmic lens according to claim 83, wherein the lens is adapted [any one of the claims 83-100, characterized in that it is designed] to balance the spherical aberration of a cornea that has a Zernike polynomial coefficient representing spherical aberration of the wavefront aberration with a value in the interval from 0.0001039 mm to 0.0009359 mm for a 2.5 mm aperture radius using polynomials expressed in OSLO format.

104. (Amended) An ophthalmic lens according to claim 83, wherein the lens is adapted [any one of the claims 83-100, characterized in that it is designed] to balance the spherical aberration of a cornea that has a Zernike polynomial coefficient representing spherical aberration of the wavefront aberration with a value in the interval from 0.000194

mm to 0.00365 mm for a 3.5 mm aperture radius using polynomials expressed in OSLO format.

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